

CERTIFICATE OF ANALYSIS

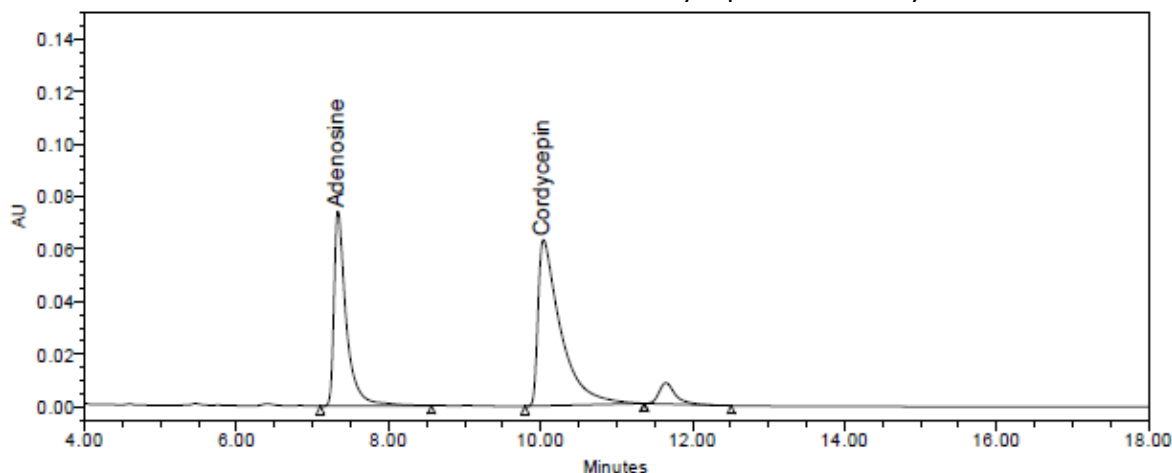


12661 HOOVER STREET GARDEN GROVE, CA 92841 | P. 714-754-4372 | F. 714-668-9972 | WWW.ALKEMIST.COM

Report Issued To: Mushroom Rise
16192 COASTAL HIGHWAY
LEWES DE 19958-3608
USA

Sample Name: Cordyceps/Mushroom Extract
Description: Capsule powder; Light gray reclosable plastic bag w/designs
Lot #: C-01
AL #: 24200WCP_1
Analysis ID: 236110
Received: 07/18/24

Determination of Adenosine and Cordycepin Content by HPLC



Ret. Time (min)	Compound Name	Amount (%)	Specification	Result
7.3	Adenosine	0.546	Report Only	N/A
10.0	Cordycepin	0.981	Report Only	N/A

Chromatographic Conditions:

Method: NY Agricultural Industry Standard of the People's Republic of China ICS 67.050 x 04 Determination of Cordycepin and Adenosine in Cordyceps Products by High Performance Liquid Chromatography Method.

Column: AP328 BDS Hypersil C18 5µm 250 x 4.6 mm (250 x 4.6 mm)

Temperature: 35°C

Flow Rate: 1 mL/min

Injection Volume: 10 µL

UV Detection: 260 nm

Mobile Phase: Water
Acetonitrile

HPLC Instrument: Alliance_3

Sample Preparation:

Composited contents of 10 capsules. Transferred approximately 500 mg of sample into a 50 mL volumetric flask. Added 30 mL of water, vortexed 30 seconds and sonicated for 3 hours at room temperature. Let cool and filled to volume with water. Mixed by inversion and transferred an aliquot into a centrifuge tube. Centrifuged for 5 minutes. Diluted 1:2 with water then filtered into an HPLC vial for analysis.

Report Summary:

Conclusion: This "Cordyceps/Mushroom Extract" test sample contains 0.5% Adenosine and 1.0% Cordycepin on the as-is basis.

Fill Weight: 622.314 mg/capsule

OOS Reference: N/A

Notebook Reference: 21824 Adenosine Cordycepin

Analysis Date : 08/06/24

Analyzed By: L Gamez

Authorized By: Celine Decasiano,
Analytical Chemistry Supervisor

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